Practitioner's Docket No. PAT-01174/BC1-0081

## IN THE CLAIMS

1. (Previously Presented) A process for producing a multilayer sheet S by coating an optionally pretreated carrier sheet with

a pigmented basecoat film,

if desired, a second pigmented basecoat film, and

a clearcoat film,

the process comprising:

- a. applying a pigmented basecoat material to the carrier sheet to give a wet basecoat film 1a, and adjusting the basecoat film 1a to a residual volatiles content "x" of less than 10% by weight, based on the basecoat film, to give a conditioned basecoat film 1b,
- b. adjusting a surface of the conditioned basecoat film 1b to a temperature of less than 50°C, to give a temperature-adjusted basecoat film 1b,
- c. if desired, applying a second pigmented basecoat material or the pigmented basecoat material to the temperature-adjusted basecoat film 1b to give a wet basecoat film 2a, and adjusting the basecoat film 2a to a residual volatiles content "y" of less than 10% by weight, based on the basecoat film, to give a conditioned basecoat film 2b,
- d. if appropriate, adjusting the conditioned basecoat films 1b and 2b to a temperature of less than 50°C at a surface of the basecoat film 2b, to give a temperature-adjusted basecoat film 2b,
- e. applying a clearcoat material to the temperature-adjusted basecoat film 1b or 2b to give a wet clearcoat film 3a, adjusting the clearcoat film 3a to a residual volatiles content "z" of less than 5% by weight, based on the clearcoat film, to give a conditioned, deformable clearcoat film 3b, and curing the conditioned, deformable clearcoat film 3b thermally and/or with actinic radiation.
- 2. (Previously Presented) The process as claimed in Claim 1, wherein the residual volatiles content in steps a., c. and/or e. is adjusted by heating and/or convection.

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3. (Previously Presented) The process as claimed in Claim 1, step a. further comprising

in the first drying section, employing an average drying rate of 10 to 40% by weight/min, based on the total volatiles content of the applied basecoat film, until the residual volatiles content x is 12 to 30% by weight, based on the basecoat film, and

in the last drying section, employing an average drying rate of 1 to 6% by weight/min, based on the total volatiles content of the applied basecoat film, until the residual volatiles content x is less than 10% by weight, based in each case on the basecoat film.

- 4. (Previously Presented) The process as claimed in Claim 1, comprising adjusting the basecoat film 1b in step b. to a temperature of less than 35°C at the basecoat film 1b surface.
- 5. (Previously Presented) The process as claimed in Claim 1, wherein step c. further comprises

in the first drying section, employing an average drying rate of 10 to 40% by weight/min, based on the total volatiles content of the applied basecoat film, until the residual volatiles content y is 12 to 30% by weight, based on the basecoat film, and

in the last drying section, employing an average drying rate of 1.5 to 4% by weight/min, based on the total volatiles content of the applied basecoat film, until the residual volatiles content x is less than 10% by weight.

6. (Previously Presented) The process as claimed in Claim 1, comprising adjusting the basecoat film 2b in step d to a temperature of less than 35°C at its surface 2b.

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7. (Previously Presented) The process as claimed in Claim 1, wherein step e. further comprises

in the first drying section, employing an average drying rate of 10 to 30% by weight/min, based on the total volatiles content of the applied clearcoat film, until the residual volatiles content z is 10 to 15% by weight, based on the clearcoat film, and

in the last drying section, employing an average drying rate of 0.5 to 3% by weight/min, based on the total volatiles content of the applied clearcoat film, until the residual volatiles content z is less than 7% by weight, based in each case on the clearcoat film.

- 8. (Previously Presented) The process as claimed in Claim 1, further comprising, in a step f., adjusting a surface of the clearcoat film 3b to a temperature of less than 50°C.
- 9. (Previously Presented) The process as claimed in Claim 1, further comprising covering a surface of the clearcoat film 3b with a protective sheet in a step g.
- 10. (Previously Presented) The process as claimed in Claim 1, wherein applying the basecoat material in step a. comprises applying by means of a continuous method.
- 11. (Previously Presented) The process as claimed in Claim 1, wherein applying the basecoat material in step c. comprises applying by means of a continuous method.
- 12. (Previously Presented) The process as claimed in Claim 1, wherein applying the clearcoat material in step e. comprises applying by means of a continuous method.
- 13. (Previously Presented) The process as claimed in Claim 1, wherein applying the basecoat material in step a. comprises applying by means of a directed application method.

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14. (Previously Presented) The process as claimed in Claim 1, wherein applying the basecoat material in step c. comprises applying by means of an undirected application method.

- 15. (Previously Presented) The process as claimed in Claim 1, further comprising wherein a free side of the carrier sheet has been covered with an adhesion coat.
- 16. (Previously Presented) The use of the multilayer sheets S produced by the process as claimed in Claim 1 for producing color and/or effect films.
- 17. (Previously Presented) The use as claimed in Claim 16, wherein the color and/or effect films serve for the coating of substrates.
- 18. (Previously Presented) The use as claimed in Claim 16, further comprising, after the multilayer sheets S have been joined with substrates, converting the multilayer sheets S into color and/or effect coatings by thermal curing and/or curing with actinic radiation.
- 19. (Previously Presented) The use as claimed in Claim 18, further comprising stretching the multilayer sheets S before, during or after their joining to the substrates.
- 20. (Previously Presented) The use as claimed in Claim 17, wherein the substrates are selected from the group consisting of automobile bodies, modules, and exterior mounted components therefor.
- 21. (Previously Presented) The process as claimed in Claim 3, comprising, in the last drying section, employing an average drying rate of 1 to 6% by weight/min, based on the total volatiles content of the applied basecoat film, until the residual volatiles content x is less than 7% by weight.

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22. (Previously Presented) The process as claimed in Claim 21, comprising, in the last drying section, employing an average drying rate of 1 to 6% by weight/min, based on the total volatiles content of the applied basecoat film, until the residual volatiles content x is less than 5% by weight, based in each case on the basecoat film.

- 23. (Previously Presented) The process as claimed in Claim 7, comprising, in the last drying section, employing an average drying rate of 0.5 to 3% by weight/min, based on the total volatiles content of the applied clearcoat film, until the residual volatiles content z is less than 5% by weight.
- 24. (Previously Presented) The process as claimed in Claim 23, comprising, in the last drying section, employing an average drying rate of 0.5 to 3% by weight/min, based on the total volatiles content of the applied clearcoat film, until the residual volatiles content z is less than 3% by weight.
- 25. (Currently Amended) A process for producing a multilayer sheet S by coating an optionally pretreated carrier sheet with

a pigmented basecoat film,

if desired, a second pigmented basecoat film, and

a clearcoat film,

the process comprising:

- a. applying a pigmented basecoat material to the carrier sheet to give a wet basecoat film 1a, flashing off the basecoat film 1a for 1 to 6 minutes at a temperature, humidity, and airspeed prevailing during application of the pigmented basecoat material, and adjusting the basecoat film 1a which is adjusted to a residual volatiles content "x" of less than 10% by weight, based on the basecoat film, to give a conditioned basecoat film 1b,
- b. adjusting a surface of the conditioned basecoat film 1b to a temperature of less than 50°C using chill rolls, to give a temperature-adjusted basecoat film 1b,

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c. if desired, applying a second pigmented basecoat material or the pigmented basecoat material to the temperature-adjusted basecoat film 1b to give a wet basecoat film 2a, flashing off the basecoat film 2a for 1 to 6 minutes at a temperature, humidity, and airspeed prevailing during application of the pigmented basecoat material, and adjusting the basecoat film 2a to a residual volatiles content "y" of less than 10% by weight, based on the basecoat film, to give a conditioned basecoat film 2b,

- d. if appropriate, adjusting the conditioned basecoat films 1b and 2b to a temperature of less than 50°C at a surface of the basecoat film 2b using chill rolls, to give a temperature-adjusted basecoat film 2b,
- e. applying a clearcoat material to the temperature-adjusted basecoat film 1b or 2b to give a wet clearcoat film 3a, flashing off the clearcoat film 3a for 2 to 8 minutes at a temperature, humidity, and airspeed prevailing during application of the clearcoat material, adjusting the clearcoat film 3a to a residual volatiles content "z" of less than 5% by weight, based on the clearcoat film.

26. (Previously Presented) The process as claimed in claim 1, wherein the residual volatiles content "x" of the wet basecoat film 1a. is adjusted at a temperature of 30 to 100°C, a humidity of 3 to 15 g/kg, and an airspeed of 0.2 to 15 m/s for 1 to 10 minutes;

the residual volatiles content "y" of the wet basecoat film 2a is adjusted at a temperature of 30 to 100°C, a humidity of 3 to 15 g/kg, and an airspeed of 0.2 to 15 m/s for 1 to 10 minutes; and

he residual volatiles content "z" of the wet clearcoat film 3a is adjusted at a temperature of 80 to 140°C.